

## Master thesis

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Do you want to write your master thesis at a biotechnical company?  
Nordic Bioscience offers a range of master thesis projects in the basic science of a number of diseases, besides development of assays to be applicable to the medical industry.

### Project

Rheumatoid arthritis (RA) is a chronic, systemic inflammatory disease, leading to progressive joint destruction, disabling and loss of function. About 1% of the world's population is affected by the disease. Citrullination of intra- and extracellular proteins leading to formation of neo-antigens are presently believed to be important in rheumatoid autoimmunity as reflected by the frequent occurrence of antibodies against citrullinated peptides in newly diagnosed and longstanding disease. **The aim of this specific project is to develop an ELISA assay which measures levels of citrullinated collagen type II in serum of RA patients. In addition you will get the chance to work with different models *in vitro*, *ex vivo* as well as with serum samples from clinical trials, through validation of the assay's technical performance.**

### Methods:

During your time at Nordic Bioscience, you will get the chance to develop an ELISA assay. You will learn the techniques to validate it, and you will be able to test its relevance in different models *in vitro*, *ex vivo* and in clinical samples. What your thesis becomes, is dependent on what you want to do. Master thesis projects will be tailored to the student. Some of the techniques that we can offer to teach you includes; ELISA and development hereof, measurements with other biochemical markers, histology, immunohistochemistry, *ex vivo* models of cartilage explants cultures, culturing of cells, western blot, silverstaining, and RNA to DNA products.

### Company profile:

Nordic Bioscience is a biotechnical company that besides investigating in RA, osteoarthritis, osteoporosis, liver fibrosis, diabetes, and cardiovascular diseases (Basic research), also develop biochemical markers for monitoring the above mentioned diseases. Our products are sold worldwide under approval from the FDA.

### Contact:

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